

PHBE 000013

ABSTRACT OF THE DISCLOSURE

To improve the aural sensation of audio signals, a bandwidth extension devices is used in audio reproduction systems.

5 Such a bandwidth extension device enables the addition of a low-pitched signal to the audio signal, the low-pitched signal having a lower signal part than the original input signal. In order to overcome artifacts in the reproduced audio signal, the bandwidth extension device delays the unprocessed signal part to obtain the

10 same delay as the processed signal part containing sub-harmonics.